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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/515,224	02/29/2000	Emil P Novakov	3	1601
24490	7590	05/19/2005		
LAW OFFICES OF NAREN CHAGANTI 432 S. CURSON AVE, STE. 12H LOS ANGELES, CA 90036			EXAMINER BOCURE, TESFALDET	
			ART UNIT	PAPER NUMBER
			2631	
DATE MAILED: 05/19/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental  
Notice of Allowability**

Application No.

09/515,224

Examiner

Tesfaldet Bocure

Applicant(s)

NOVAKOV, EMIL P

Art Unit

2631

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/12/04.
2. ☒ The allowed claim(s) is/are 1-7 and 9-13, renumbered as 1-12.
3. ☒ The drawings filed on 09 February 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**TESFALDET BOCURE  
PRIMARY EXAMINER**

## Supplemental Action

### REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The claimed subject matter in claims 1-7 and 9-13 is allowable because the prior arts of record fail to teach or fairly suggest the claimed:

"a method for determining the position of a constant frequency interval in a telecommunication signal, said method comprising the steps of:

a) receiving said telecommunication signal;

b) detecting an occurrence of said constant frequency interval in said telecommunication signal;

c) obtaining a plurality of noise-reduced signal values by a noise-reducing processing of at least a part of said constant frequency interval in said telecommunication signal;

d) using said noise-reduced signal values for adapting a filter to the frequency of said constant frequency intervals;

e) using said adapted filter to filter said telecommunication signal for generating values; and

f) determining a predefined reference point of said constant frequency interval on the basis of said filtered output values as in claim 1 and,

an apparatus for determining the position of a constant frequency interval in a telecommunication signal, said apparatus comprising:

an analyzer for detecting an occurrence of said constant frequency interval in said telecommunication signal;

**a noise-reducing filter unit for obtaining a plurality of noise-reduced signal values  
by a noise-reducing processing of at least a part of said constant frequency  
interval in said telecommunication signal;**  
**a coefficient generator using said noise-reduced signal values for adapting a filter  
to the frequency of said constant frequency interval;**

said filter filtering said telecommunication signal for generating filtered output  
values; and

***a position detector for determining a predefined reference point of said constant  
frequency interval on the basis of said filtered output values as in claim 9.”***

2. See element 36 for generating noise reducing value and coefficient generator 44 and  
Finite Input Response Filter 50 for filtering the signal to be used by the detector 54 which  
detects the position of the constant frequency burst signal in figure 2.

Any comments considered necessary by applicant must be submitted no later than the  
payment of the issue fee and, to avoid processing delays, should preferably accompany the issue  
fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for  
Allowance.”

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's  
disclosure. US patent numbers 5,199,047, 5,416,800 and 6,724,837 issued to Koch, Frank and

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Zhou respectively disclose a transmission system having means for detecting the position of FCB signal.

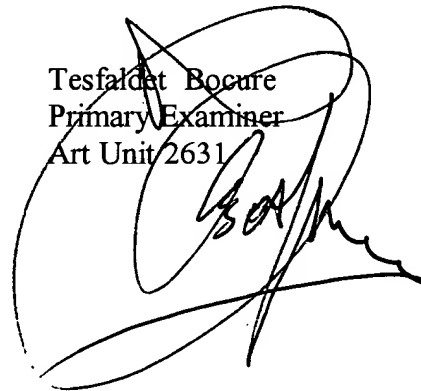
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tesfaldet Bocure whose telephone number is (571) 272-3015.

The examiner can normally be reached on Mon-Thur (7:30a-5:00p) & Mon.-Fri (7:30a-5:00p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad H Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tesfaldet Bocure  
Primary Examiner  
Art Unit 2631

A large, stylized handwritten signature in black ink, likely belonging to Tesfaldet Bocure, is written over the printed name and title.

T.Bocure